

# General Aviation

## *Forecast Conference*

**Phil Boyer**  
**AOPA President**



**April 19, 1999**

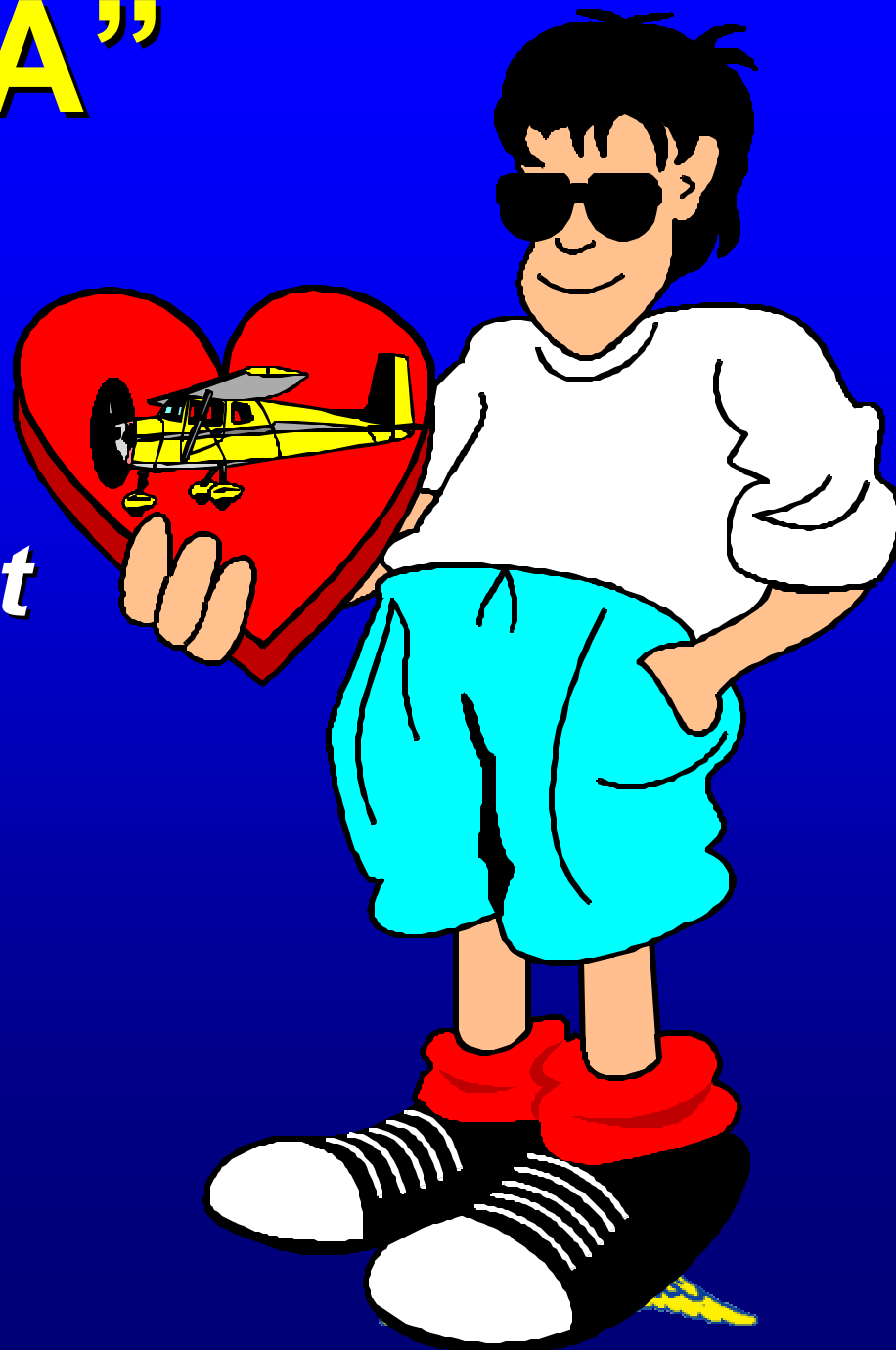
# What Is “GA” Exactly?

All aviation *except*

- ✈ airlines
- ✈ military

Sub-category:

- ✈ airlines.



# Airliner



***(Also Airliner)***



# General Aviation



**Medical Evacuation**



**Competition**



**General Aviation  
is also.....**



**Personal  
Business**

**Advertising**



**Air Taxi**



**Scenic Tours**





**Agricultural**



**Law Enforcement**



**Corporate**





**But the Majority of GA is....**



# Heaven

*(as seen by Air Carriers)*



# Heaven

*(as seen by General Aviation)*





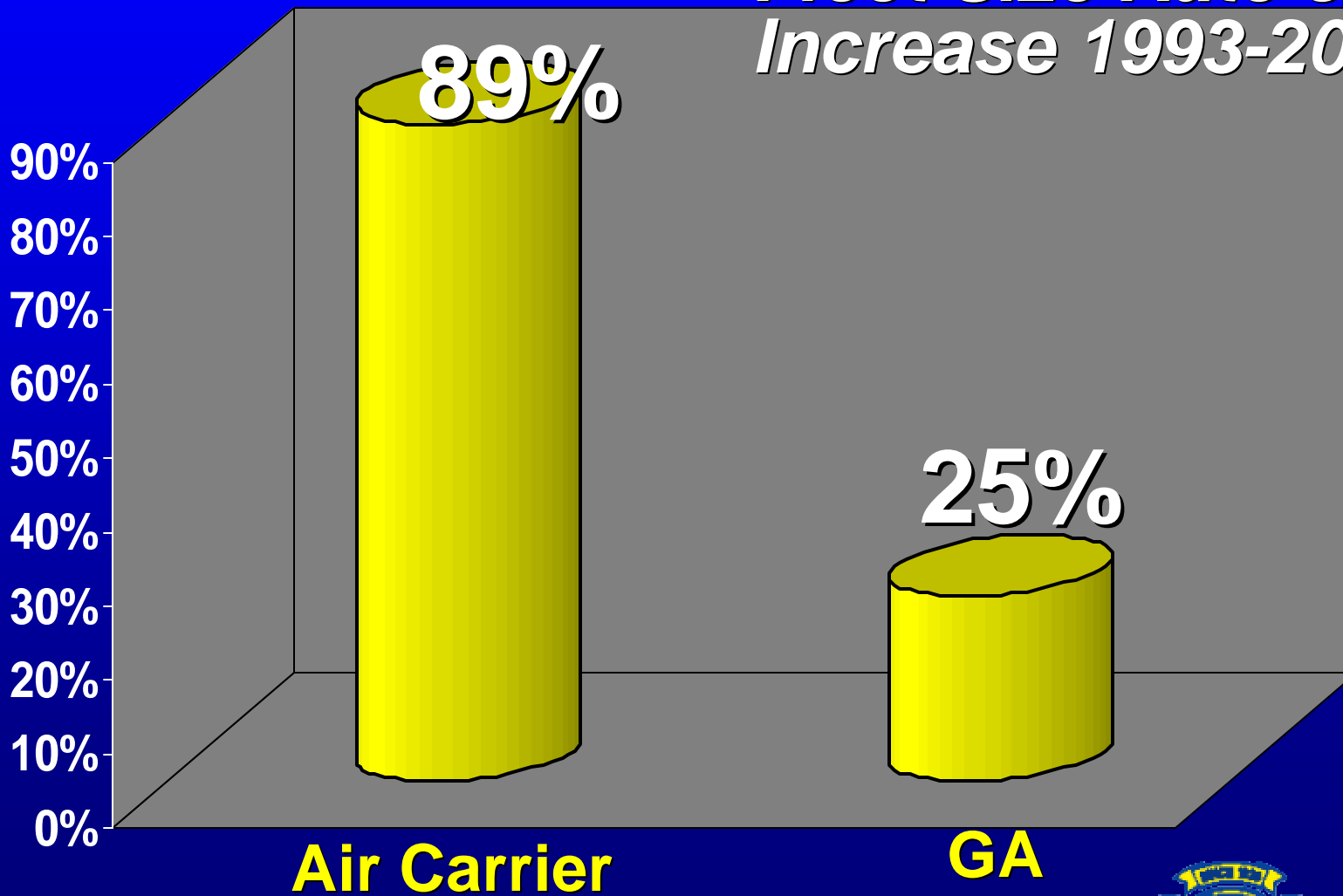
**GA “has  
been driving  
the FAA  
workload.”**

***Aircraft Fleets  
Aircraft Activity.***



# Air Carrier vs. All GA

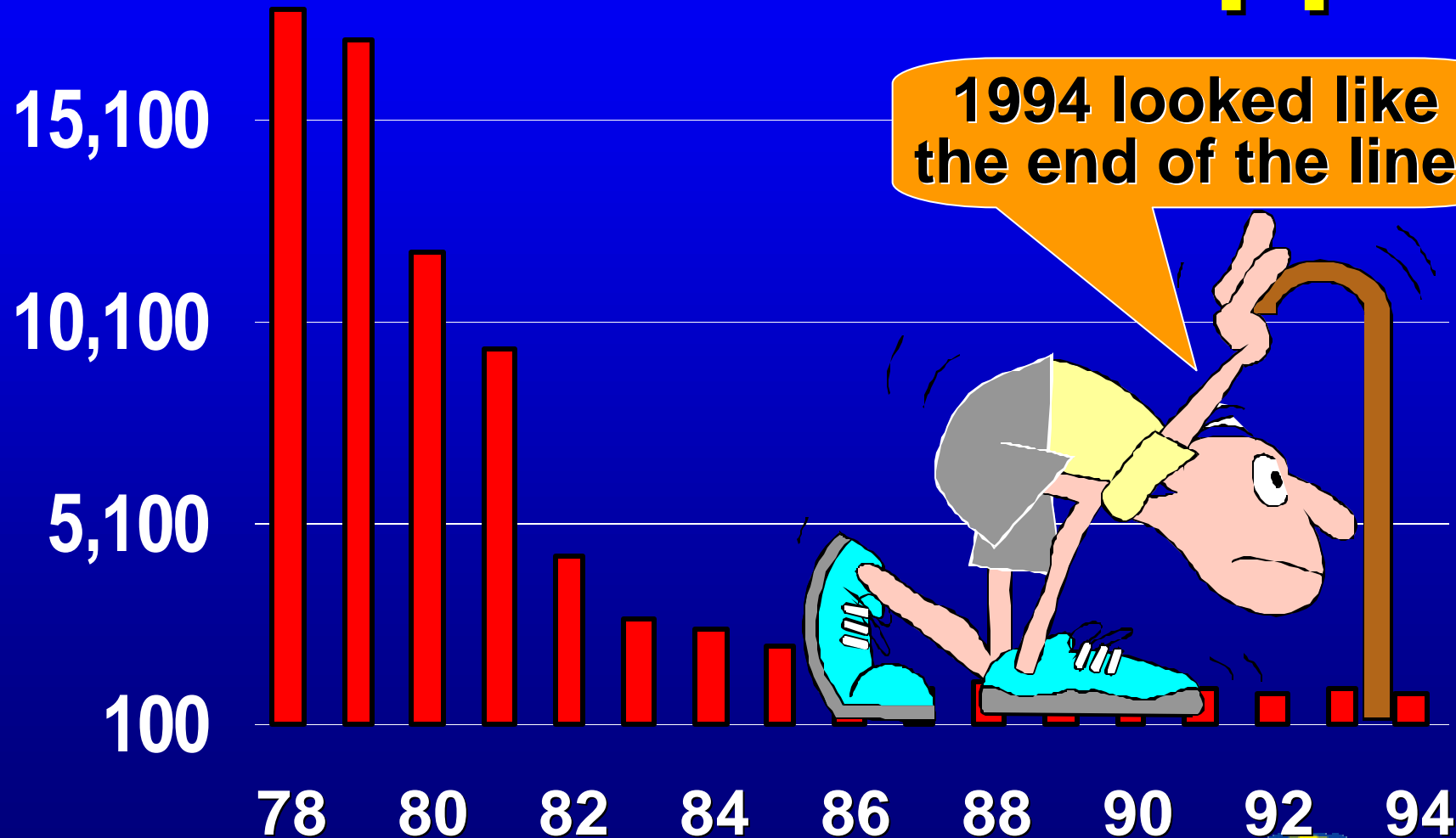
*Fleet Size Rate of Increase 1993-2010*





## A Little GA History

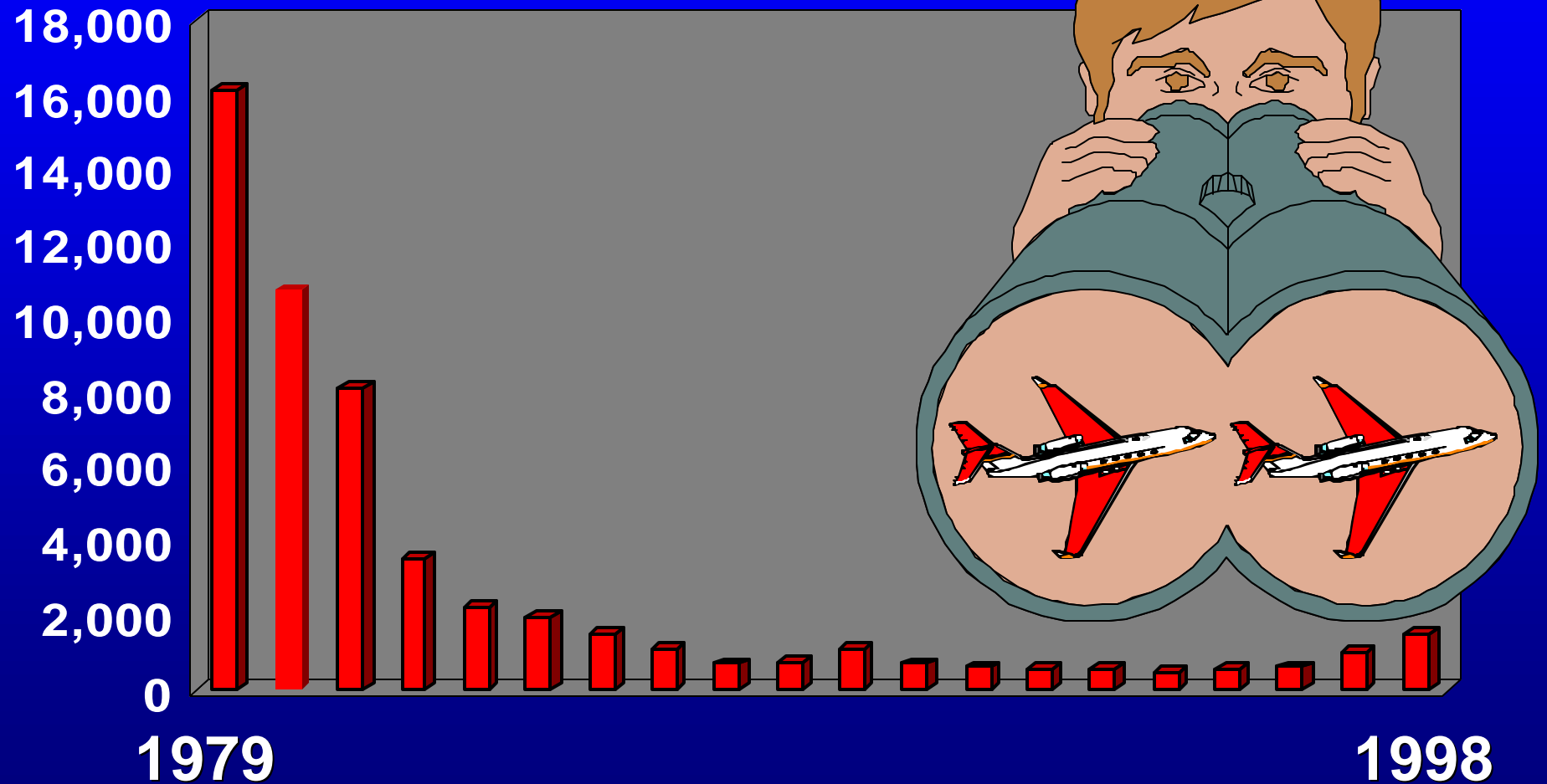
# All GA Aircraft Shipped



# All GA Aircraft Shipped



# In Context, However...



# Active GA Aircraft Historical



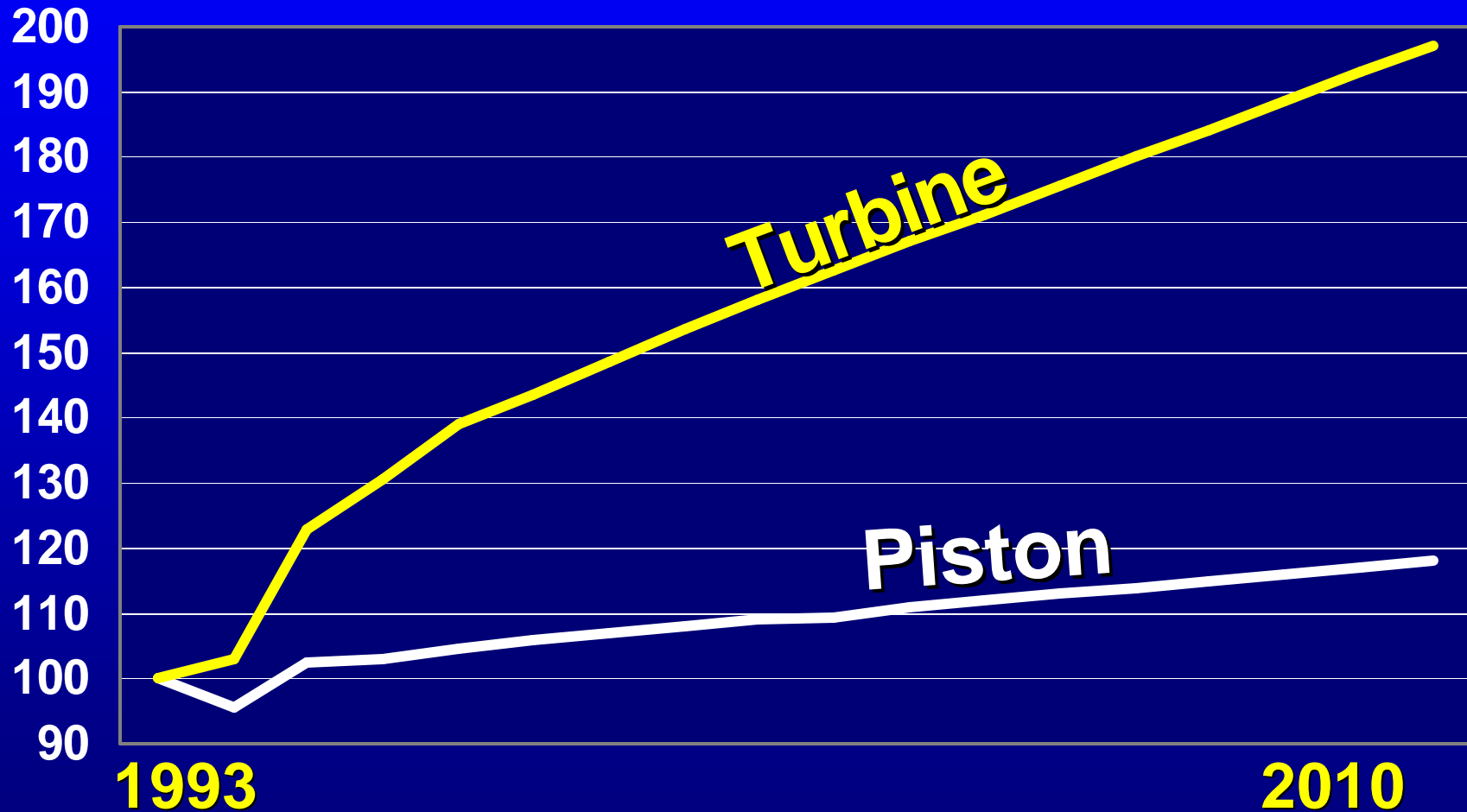
1973

1998

1973 = 100



# Active GA Aircraft FAA Forecast

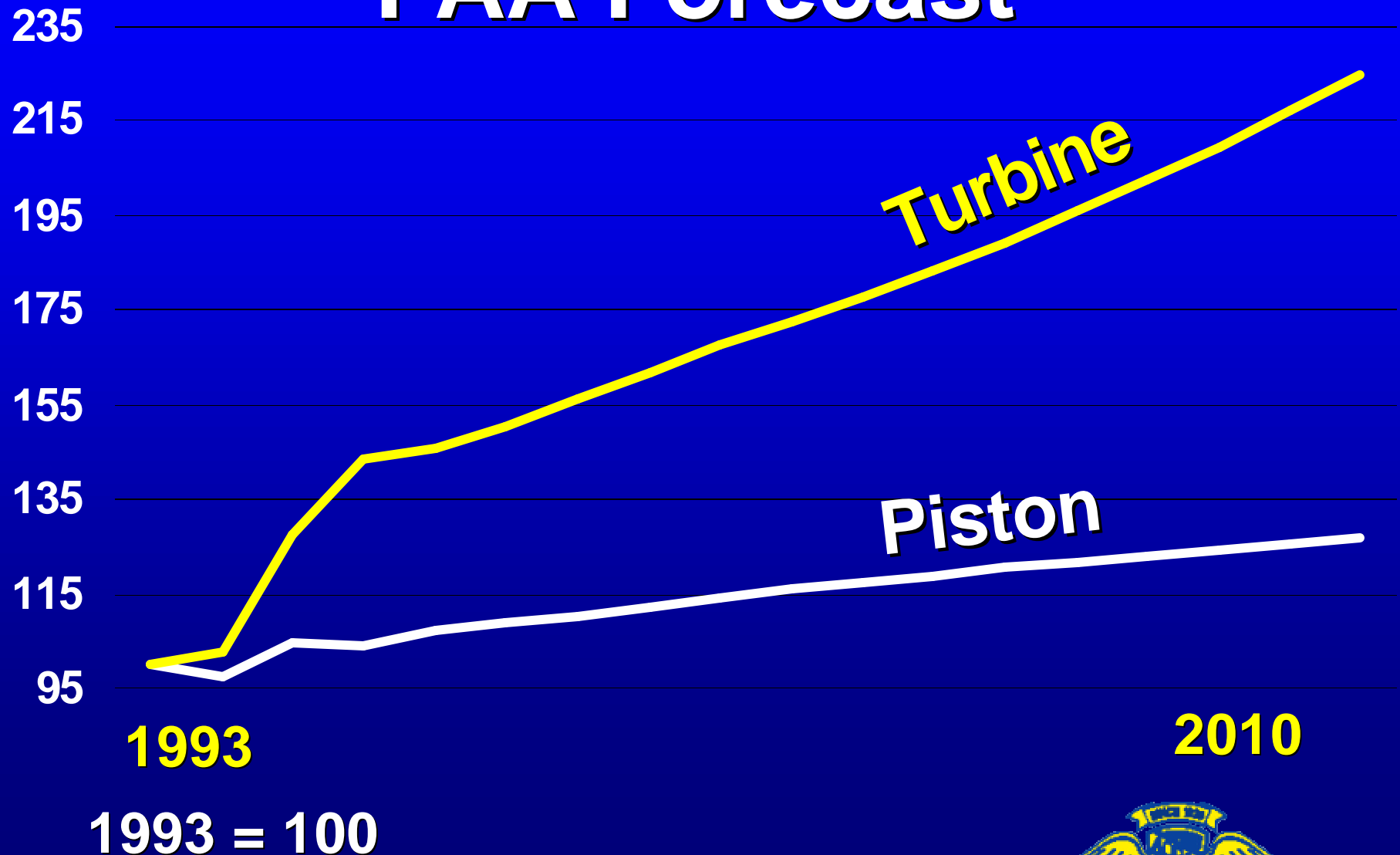


1993 = 100



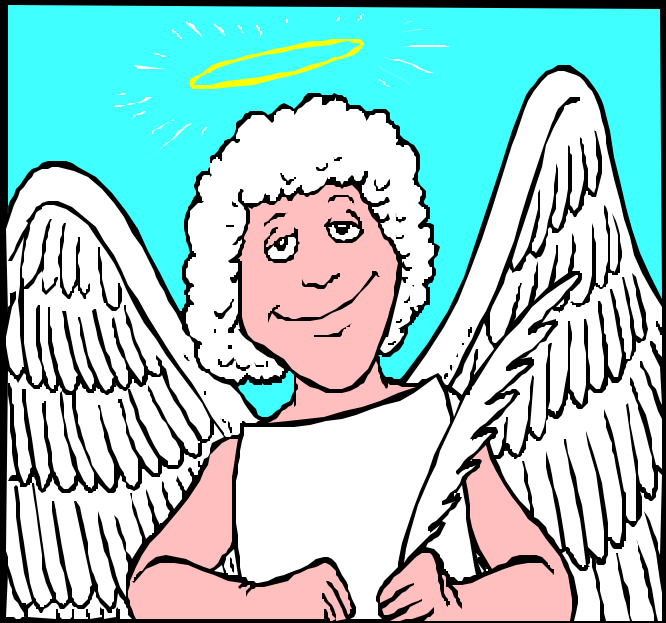


# GA Hours Flown FAA Forecast



# FAA Forecast

## Business Traffic



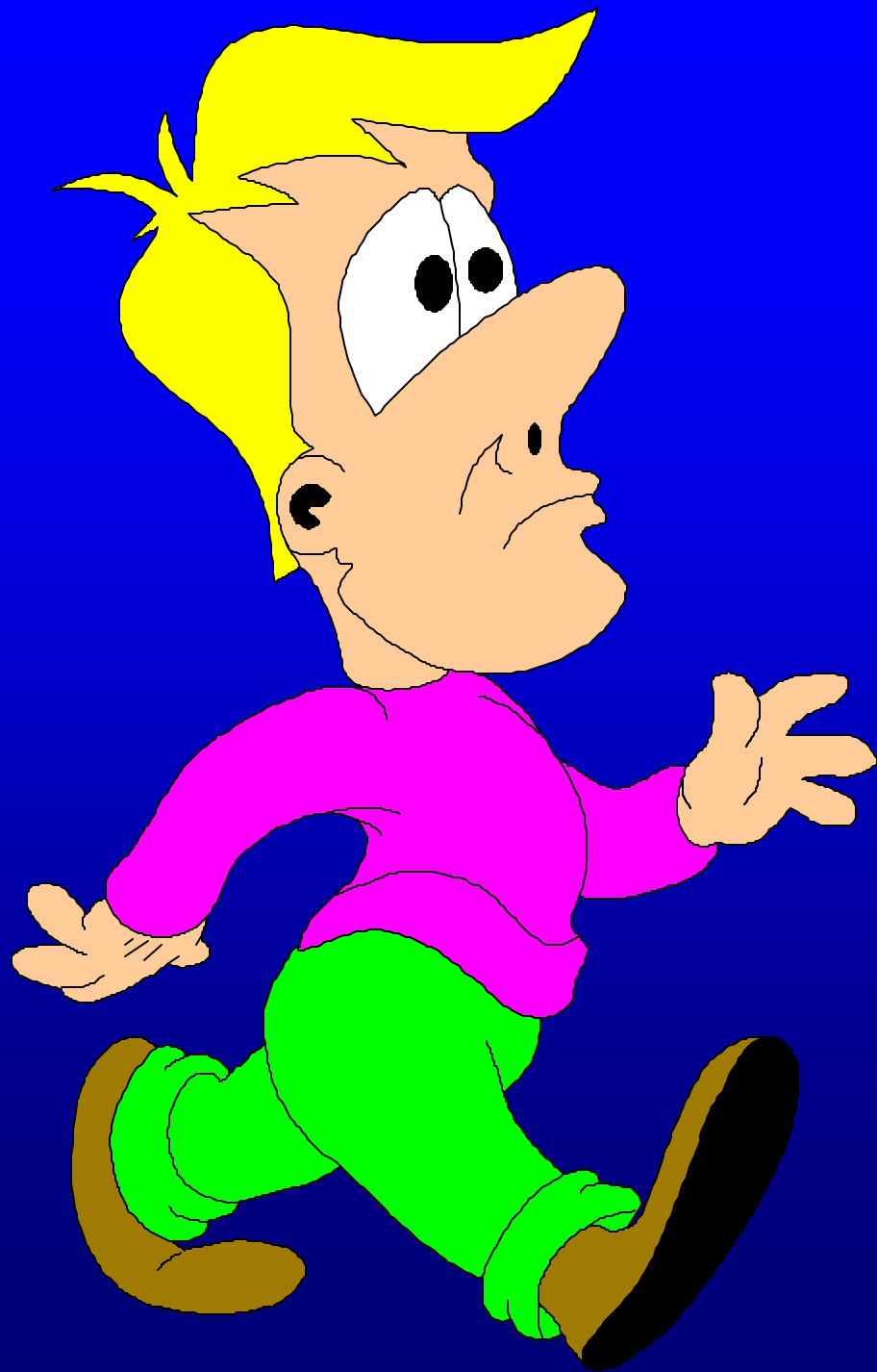
## Turbine Growth

- ✈ 3X piston
- ✈ 2.7% annually
- ✈ fractional owners

## Piston Growth

- ✈ SE 1%
- ✈ ME 0.4%
- ✈ Rotor +0%
- ✈ Experimental +1.5%.



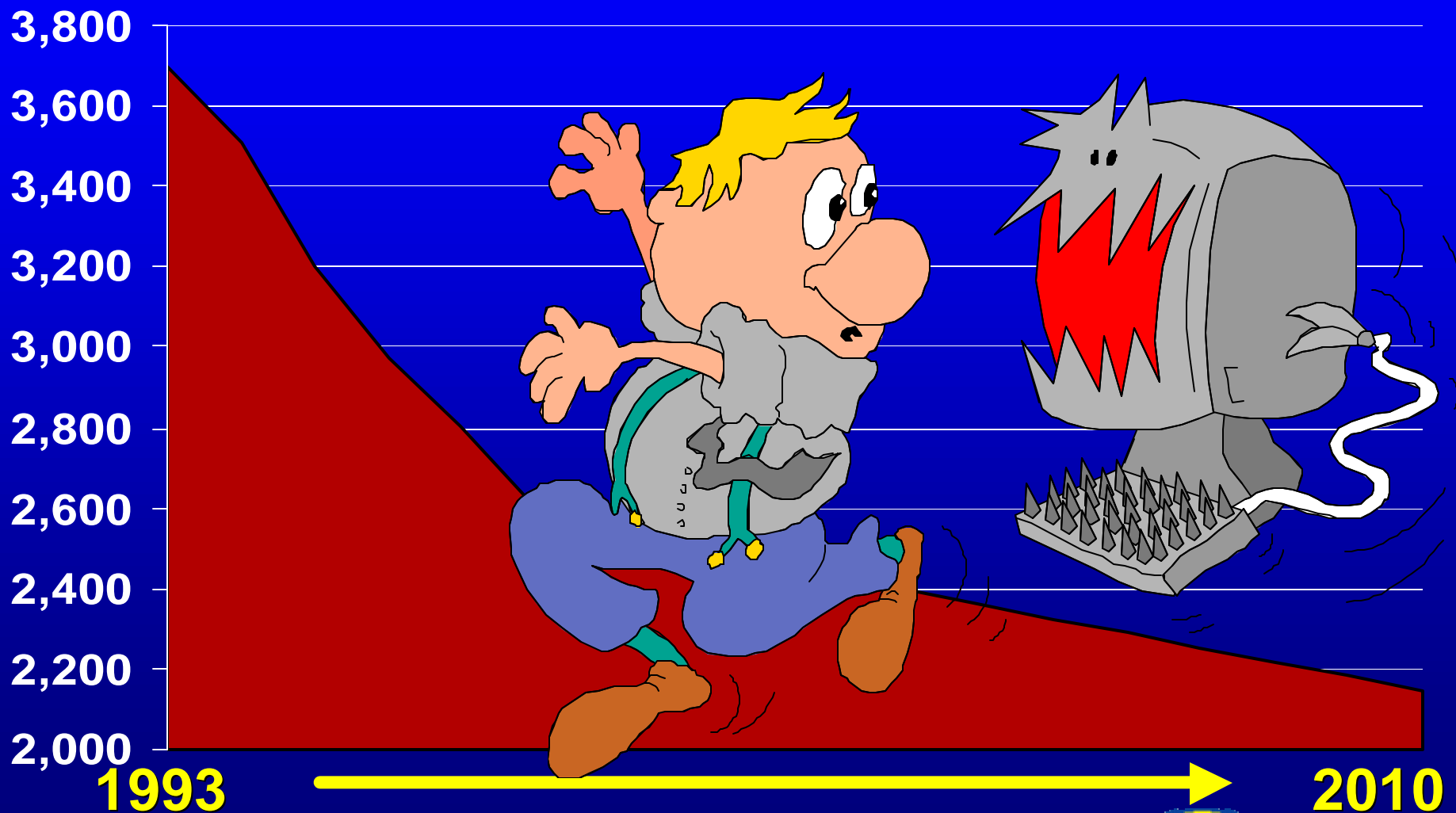


**GA “has  
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the FAA  
workload.”**

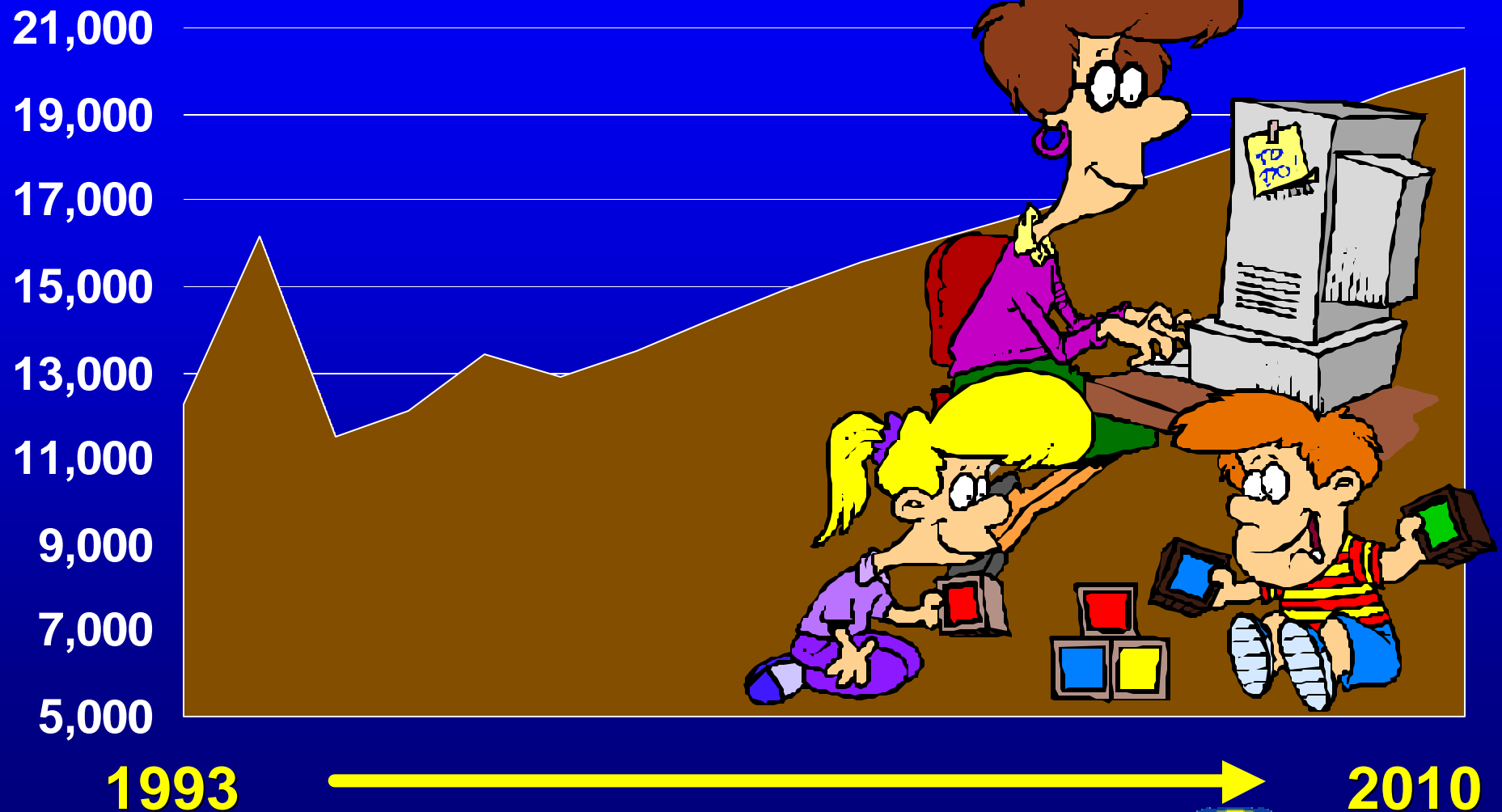
***FSS Services.***



# FSS Preflight Services All GA Forecast



# DUATS Preflight Services All GA Forecast





**AOPA Online weather**

by **DTN Aviation Center**

Weather radar



Go

Forecast graphics



Go

Textual Weather



Go

Satellite Imagery



Go

Winds Aloft



Go

[EXIT](#)  
[DUATS](#)  
[HELP](#)

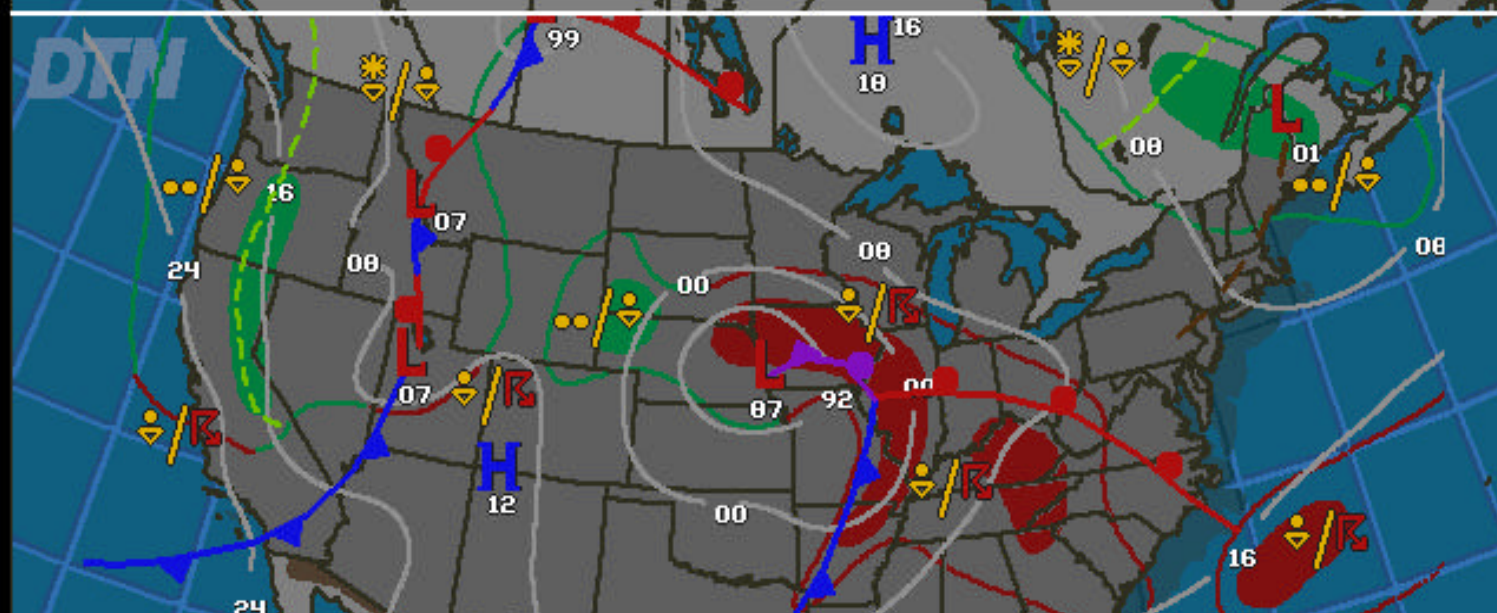
[12 hour](#) | [24 hour](#) | [36 hour](#) | [48 hour](#) | [72 hour](#) | [96 hour](#) | [120 hour](#)

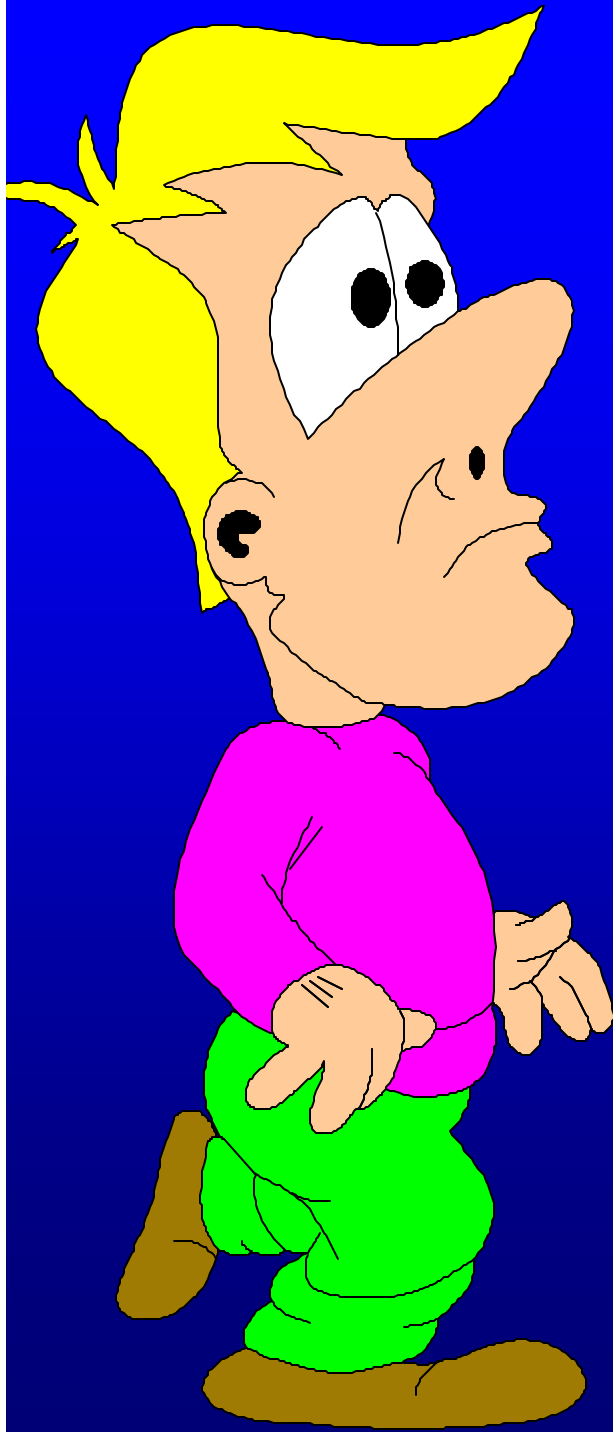
## 12 HOUR SURFACE FORECAST

VALID: 0000Z 04/09 FRI

ISSUED: 1650Z 04/08 THU

**Kavouras**  
RAMFAX





**GA “has  
been driving  
the FAA  
workload.”**

***IFR Operations.***



# IFR Operations

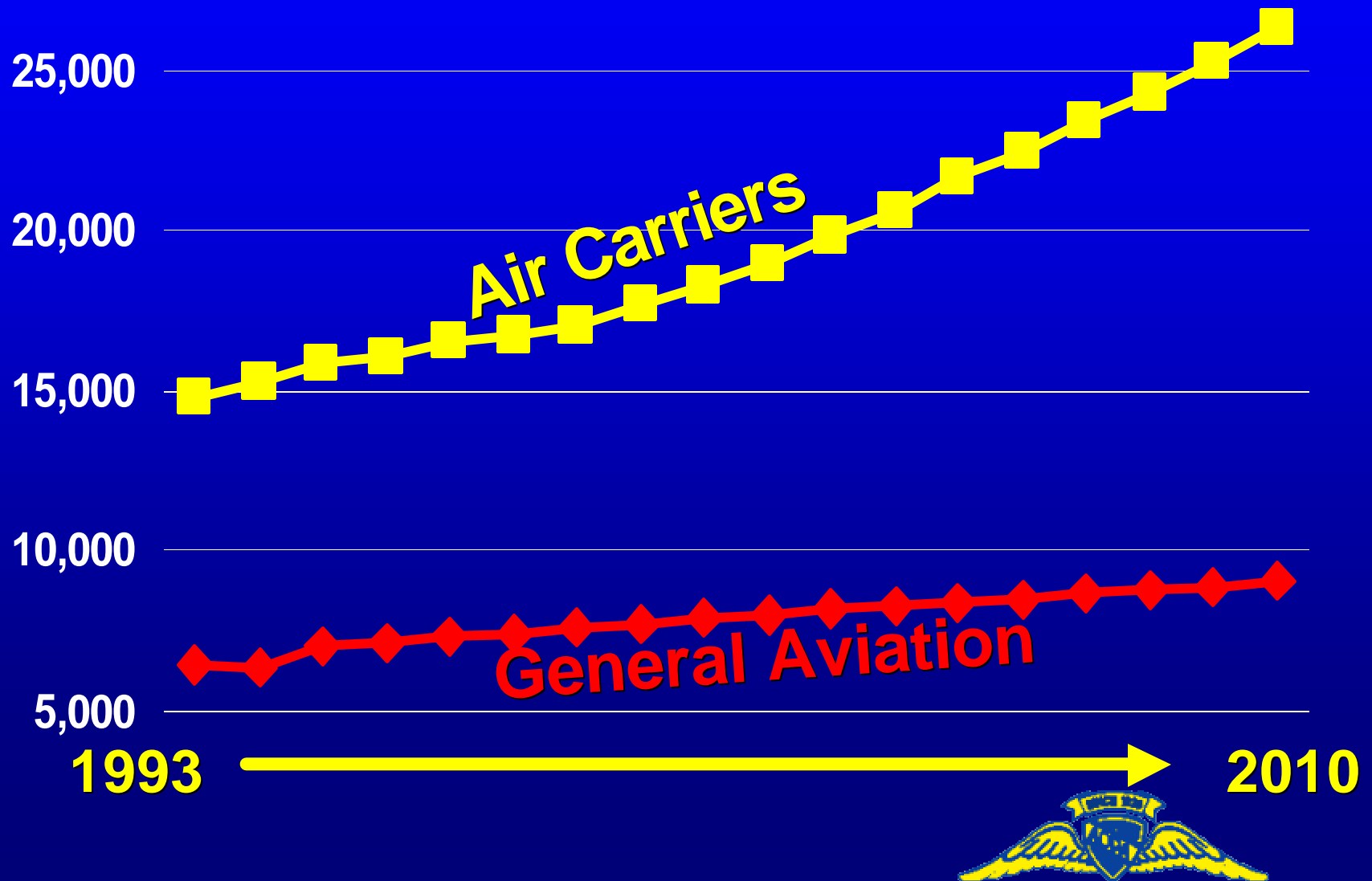
“Commercial aircraft IFR operations are forecast to increase at a significantly faster rate than are GA IFR operations.”\*

FAA Aerospace Forecast,  
Mar 99, page I-17.



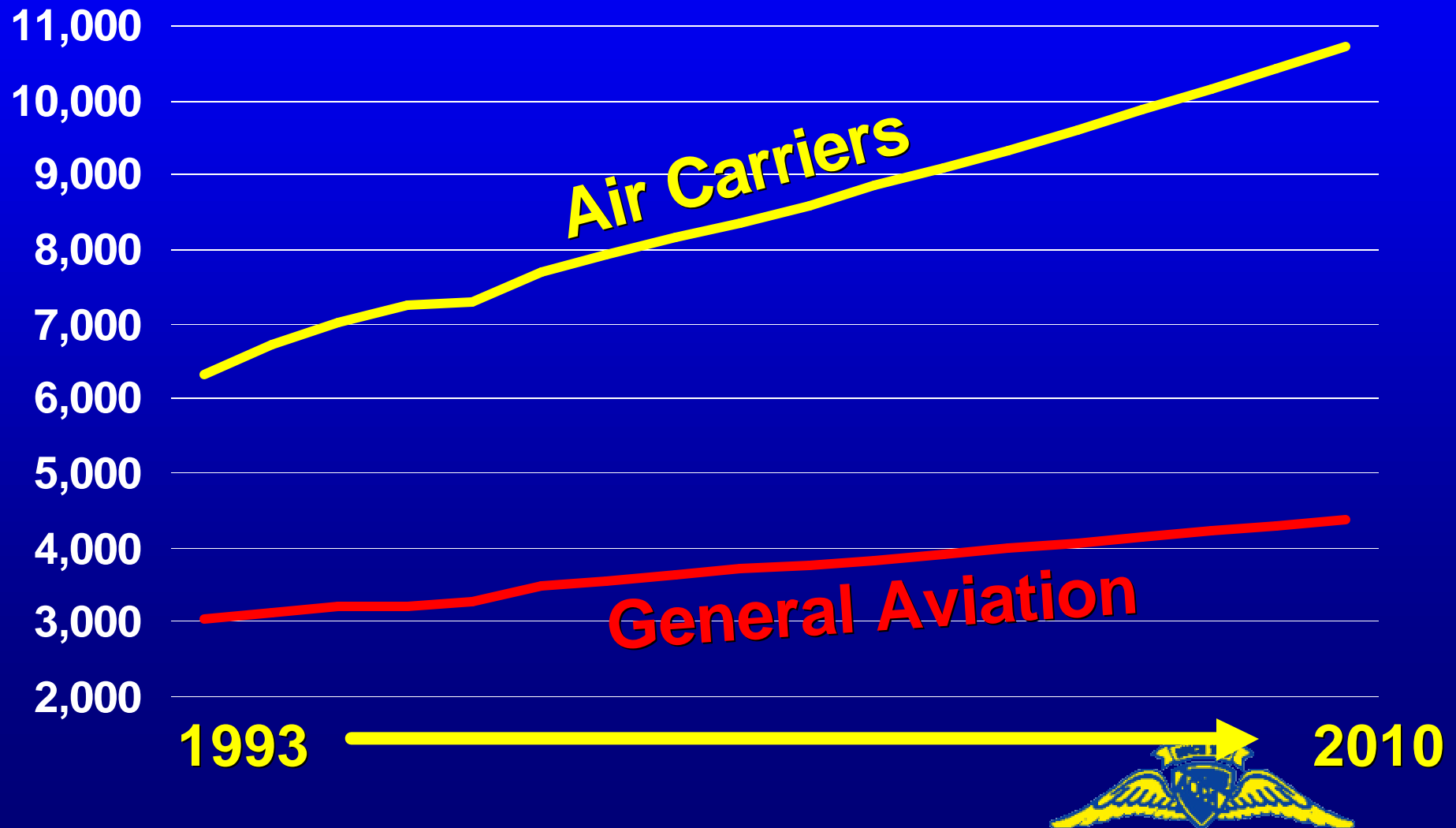
# IFR Flight Hours

## 1993 - 2010



# IFR Departures

## 1993 - 2010

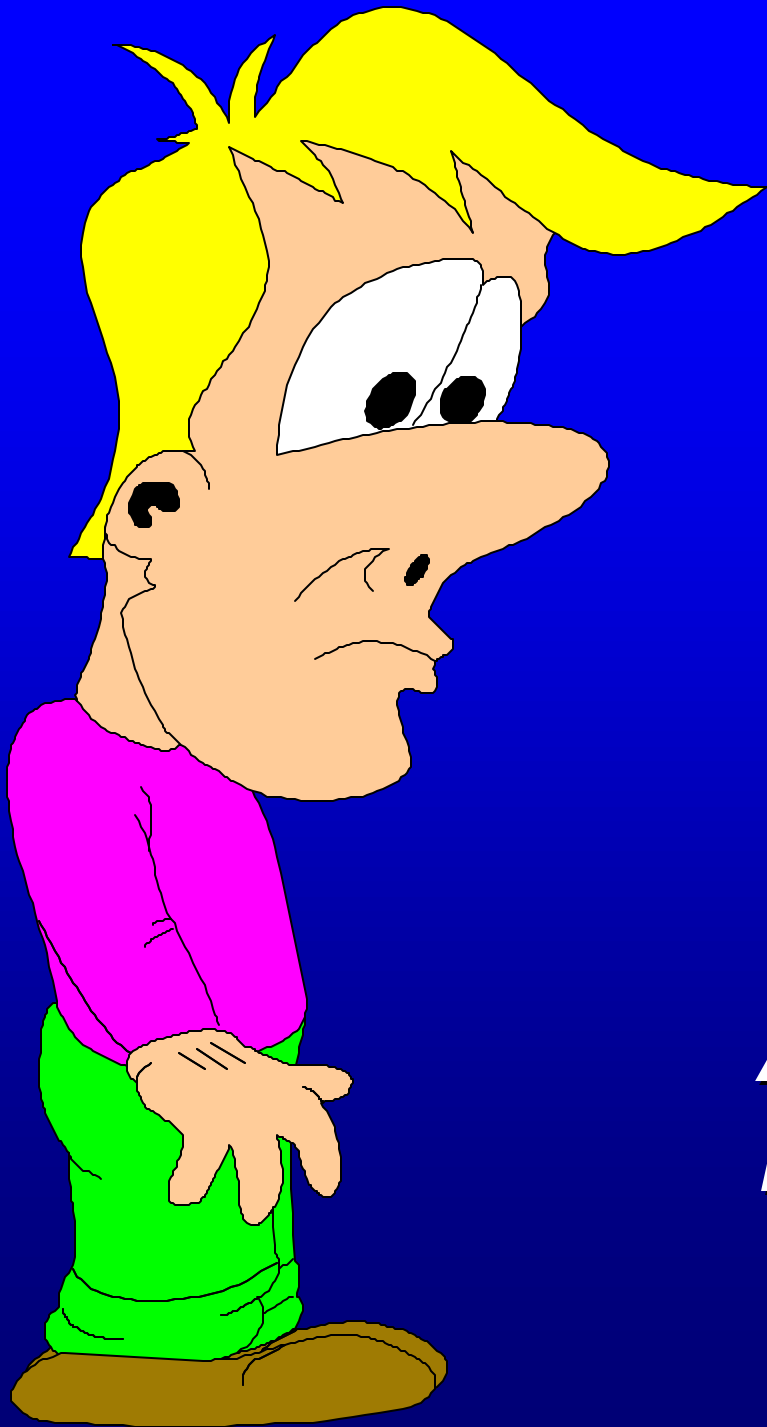




# Flying Environment

*..... and advanced avionics*

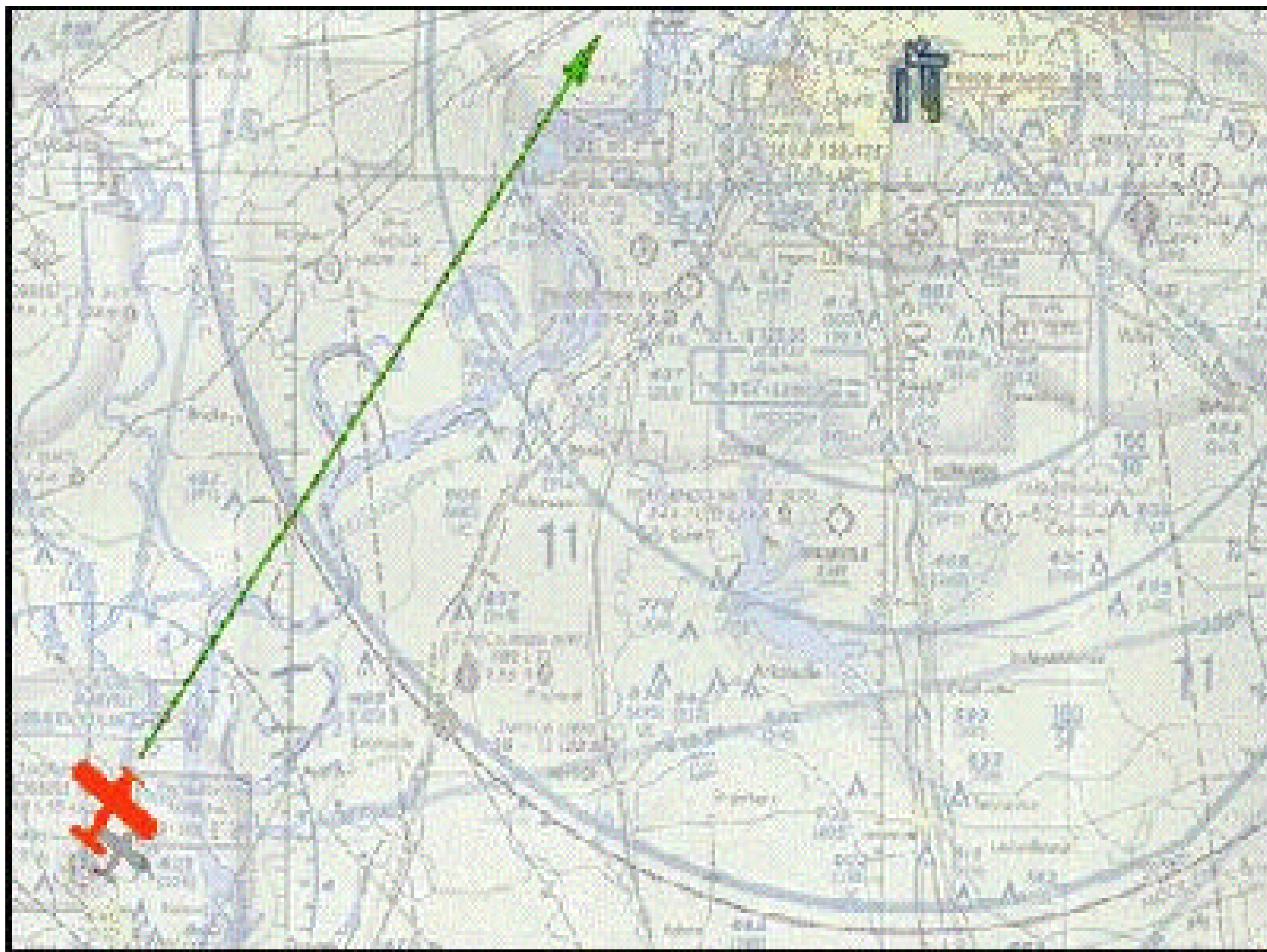




**GA “has  
been driving  
the FAA  
workload.”**

***Approach Control  
Departure Control.***





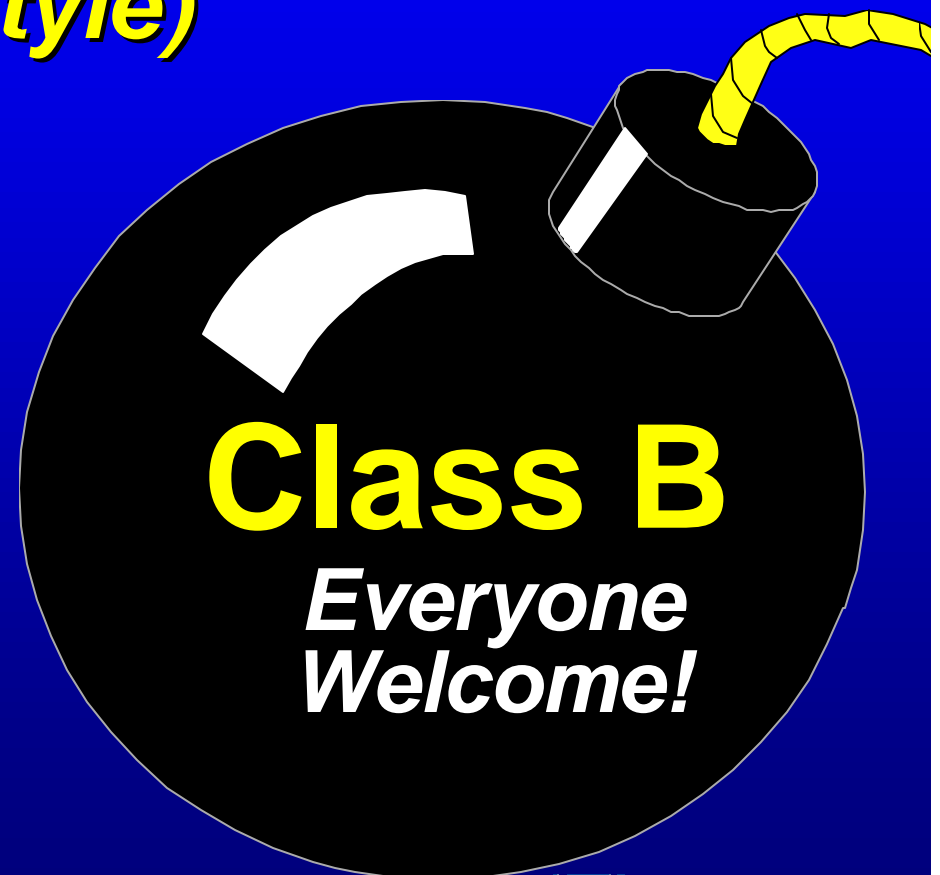
# Encounters of the Class B Kind (GA-Style)


**Clearance 68%**

**Avoid 32%**

✈ Skirt closely 52%

✈ Wide berth 48%

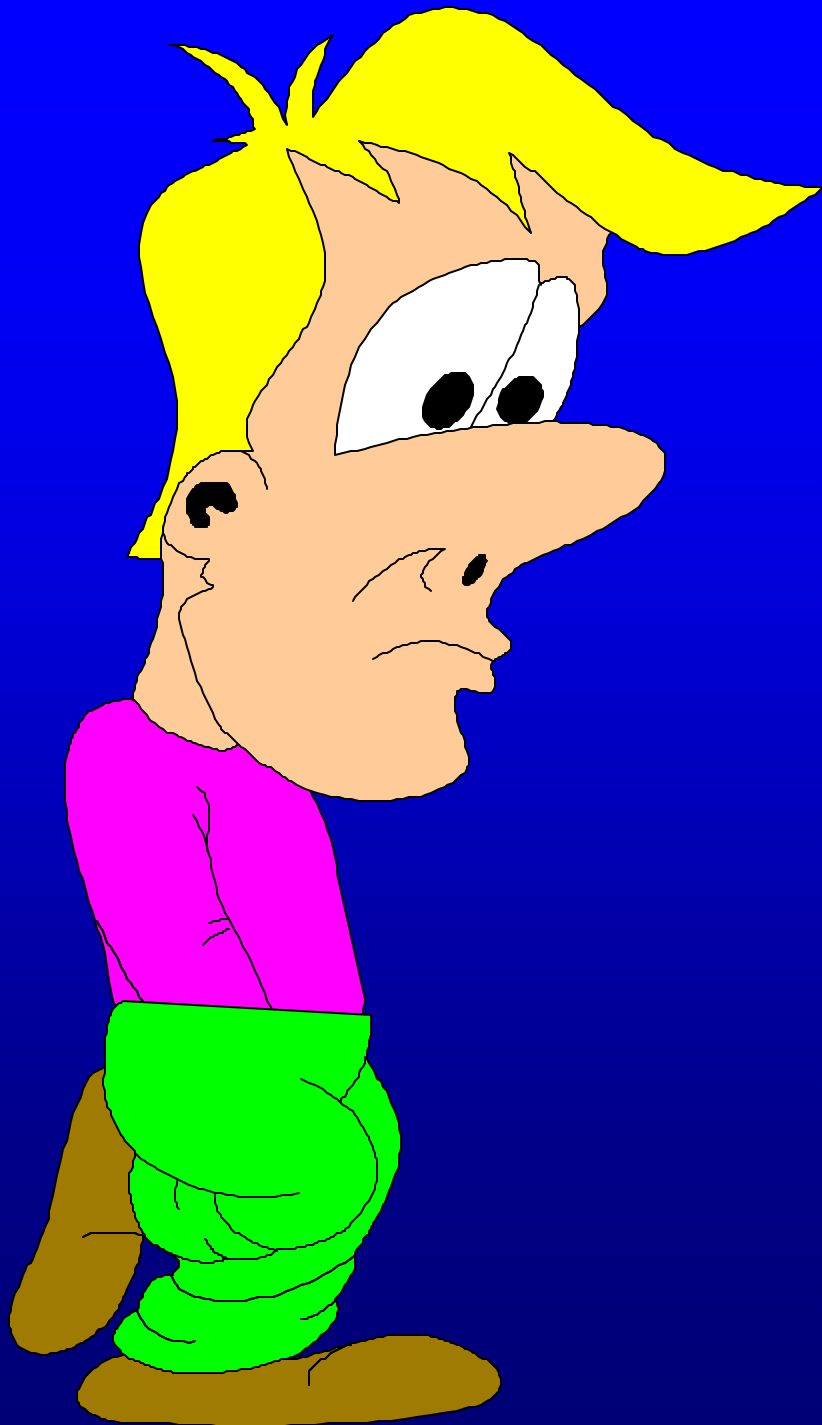


A photograph of an air traffic control room. Several controllers are seated at a long console with multiple radar screens and communication equipment. The room is dimly lit, with the primary light source being the screens and the ambient room lighting. The ceiling is high with visible structural elements and lighting fixtures. The overall atmosphere is professional and focused.

**“Most of the increase  
in GA (IFR) activity  
since 1982... can be  
attributed to the  
formation of radar  
service areas....”**

**FAA Aerospace Forecast, Mar 99, page VII-4.**





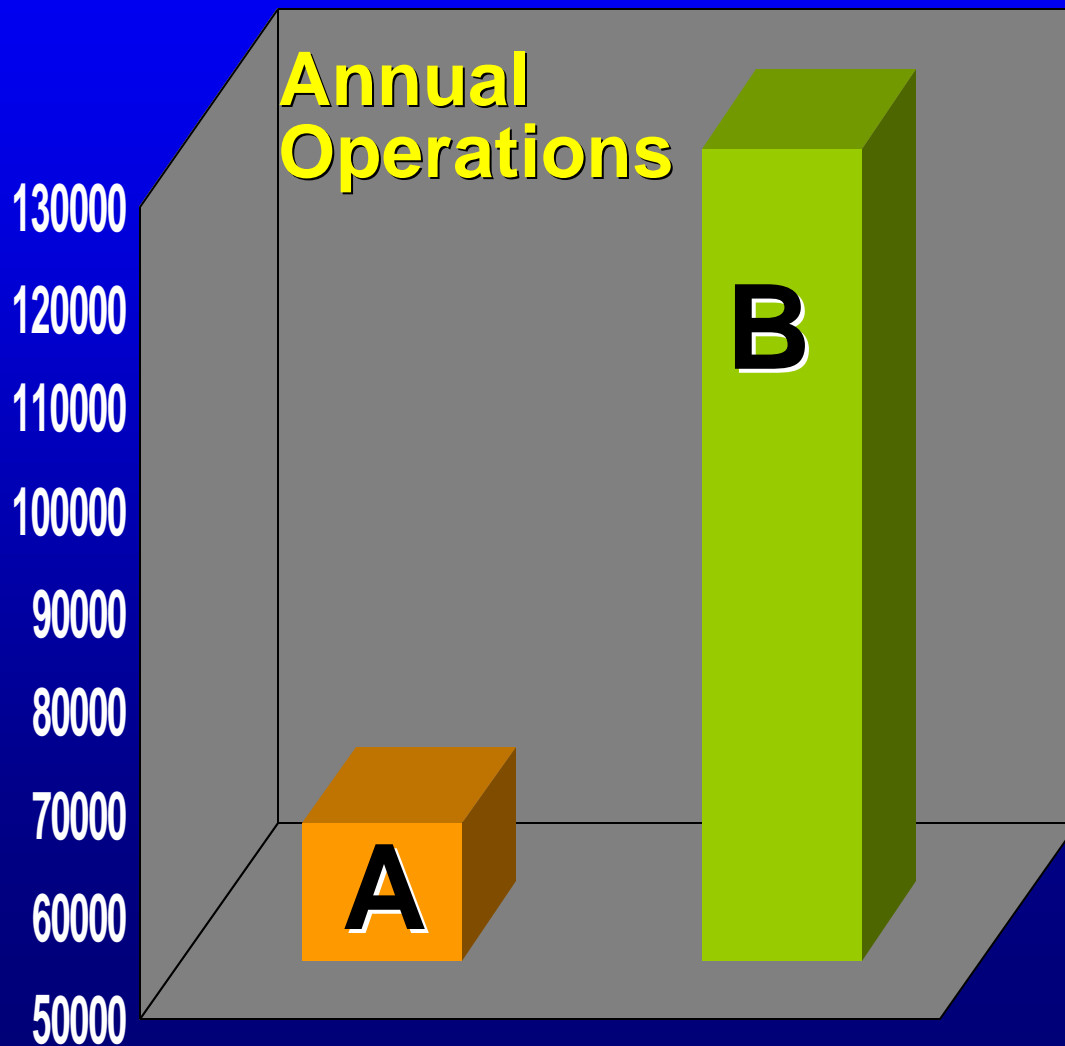
**GA “has  
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the FAA  
workload.”**

***FAA and Contract  
Towers.***



# ***Guess:***

## ***Which Airport Is Towered?***



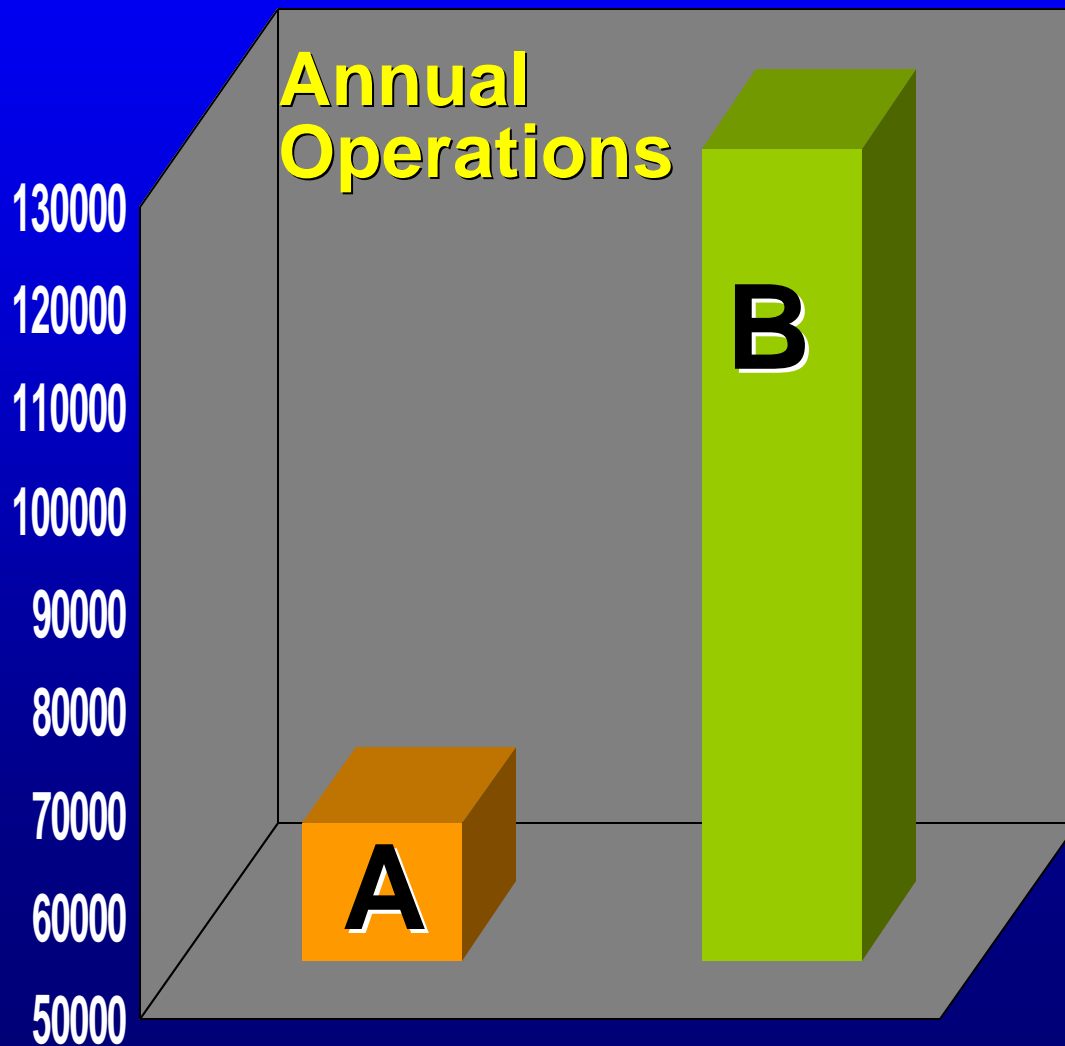
**Airport A?**  
**Total Ops:**  
**63,291**

**Airport B?**  
**Total Ops:**  
**130,000.**



# ***Guess:***

## ***Which Airport Is Towered?***



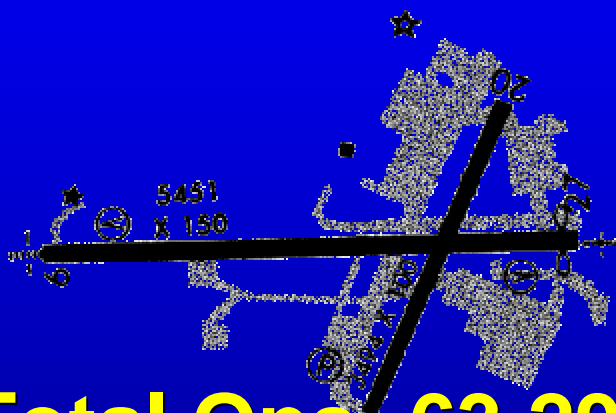
**Airport A**  
**Total Ops:**  
**63,291.**





# Airport A Hagerstown

## 81.5% GA



**Total Ops: 63,291**

✈ Regional	5.6%
✈ Air Taxi	9.3%
✈ GA Local	29.2%
✈ GA Itiner	52.3%
✈ Military	3.4%

# Airport B Frederick

## 97.4% GA



**Total Ops: 130,000**

✈ Regional	0%
✈ Air Taxi	2.5%
✈ GA Local	77.9%
✈ GA Itiner	19.5%
✈ Military	0.1%.



FAA Forecast

# Tower Use +1.8% / Yr

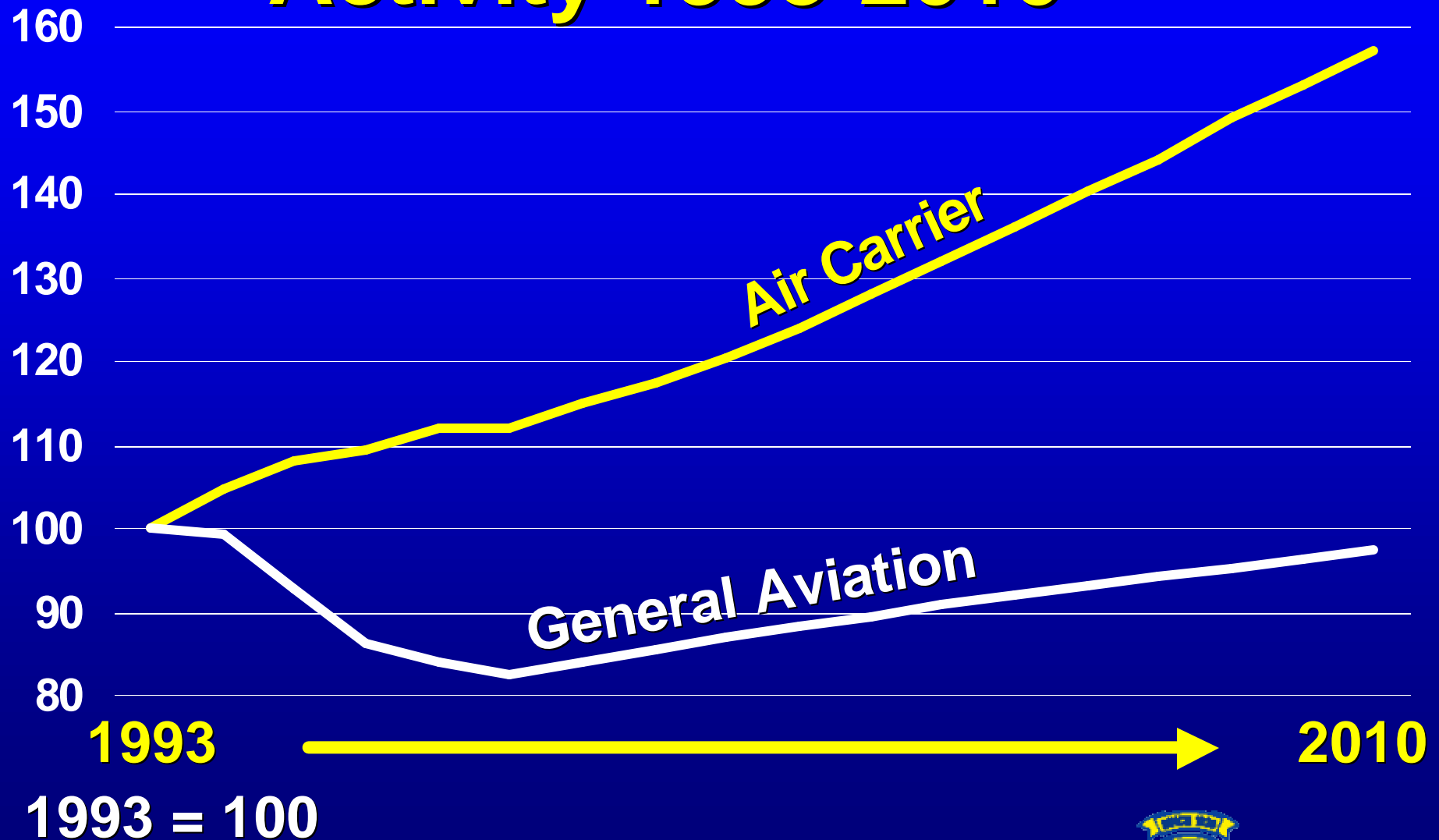
“The majority of this growth is expected to result from increased commercial aircraft activity.”\*



FAA Aerospace Forecast, Mar 99, page I-17.

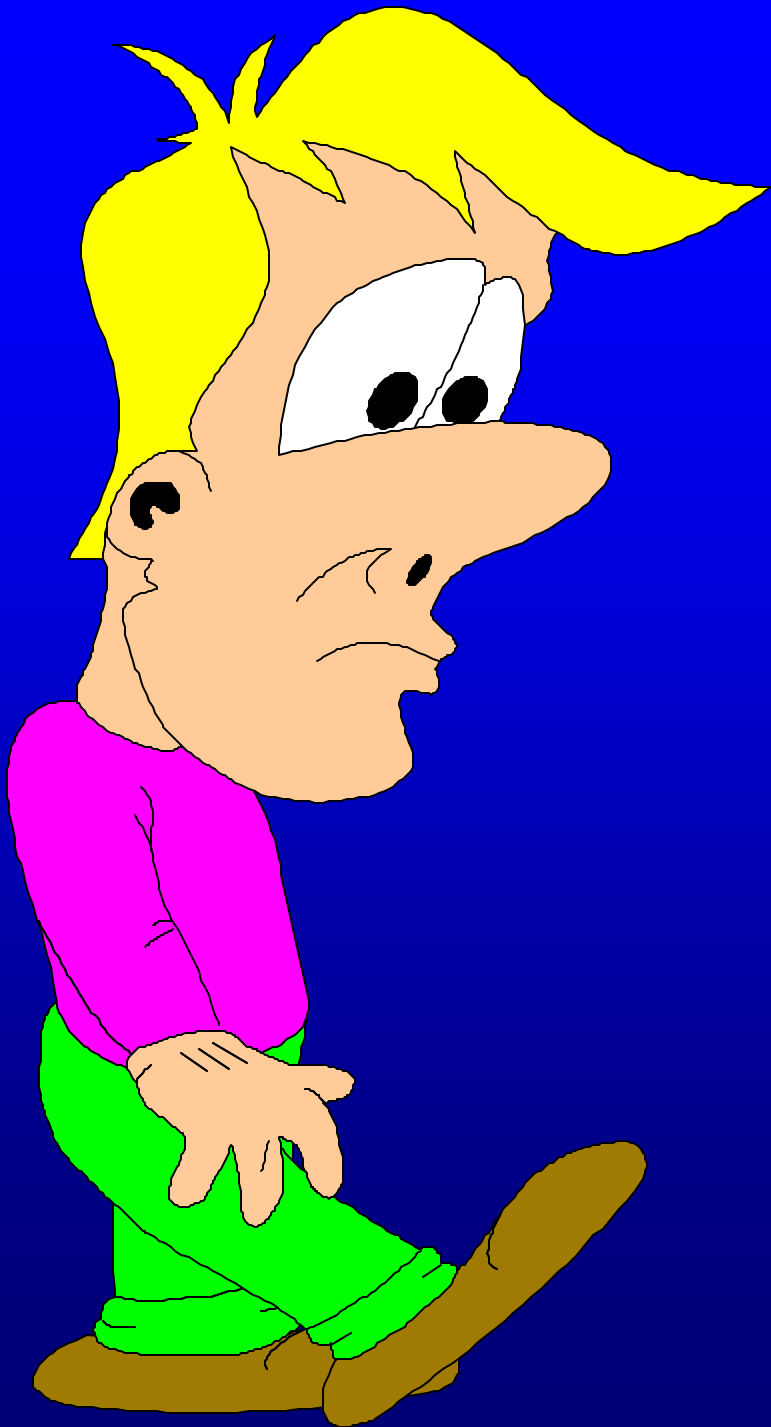


# FAA Tower Itinerant Activity 1993-2010



FAA Aerospace Forecast, Mar 99, page X-34.





**GA “has  
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the FAA  
workload.”**

***Pilot Population***



# Total Pilot Population Historical



# AOPA Project Pilot





**STOP DREAMING. START FLYING.<sup>SM</sup>**

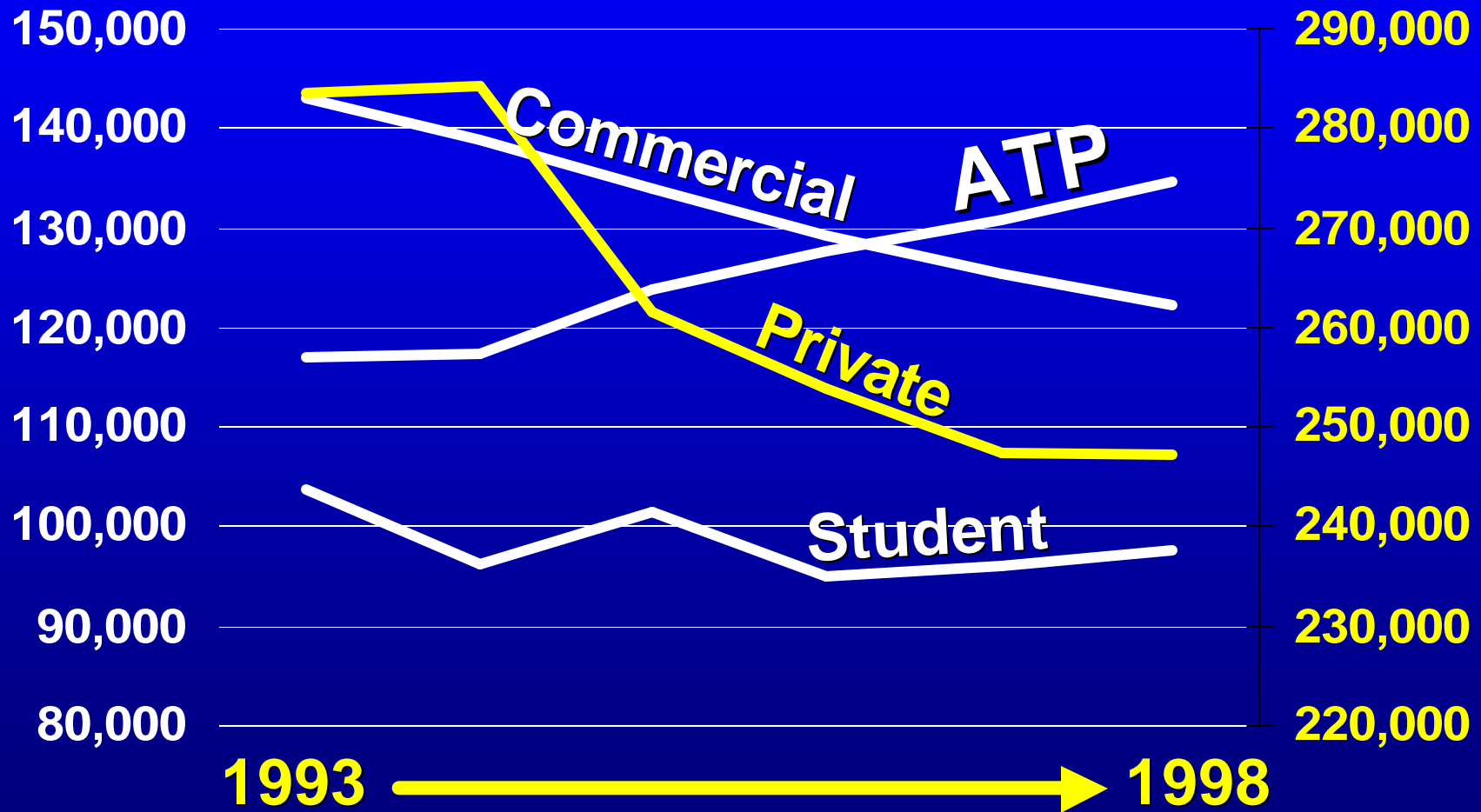
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**BE A PILOT<sup>TM</sup>**



# Pilots by Certificate

## 1993 - 1998



# Pilot Shortage?

14,143 pilots  
hired in 1998!

1999 looks  
**GREAT!**

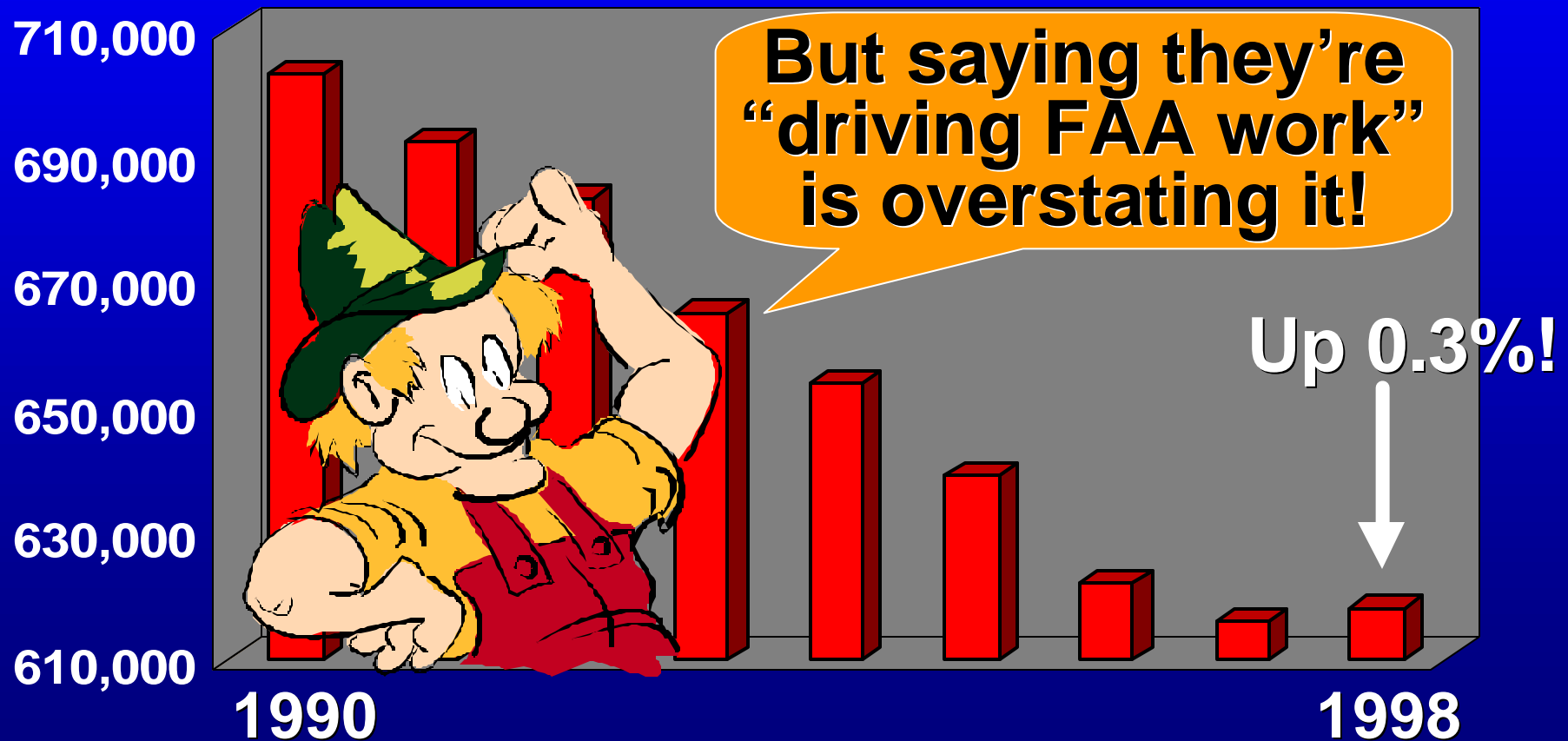
*Where are new pilots  
coming from?.*

**We need pilots  
real bad! (Not  
real bad pilots)**



# Total Active Pilots

*After Years of Promotion*

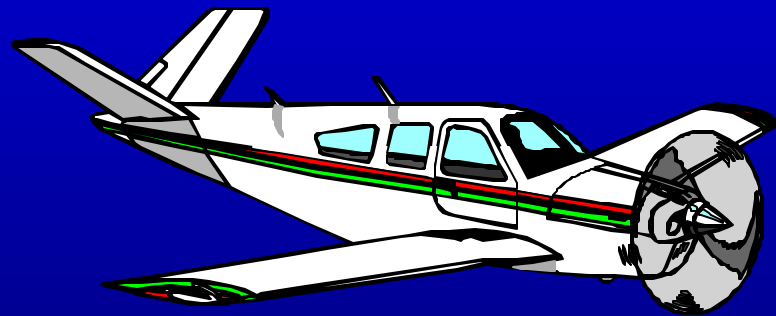


# But Remember the Majority



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**April 19, 1999**

